17 | 1st and final Bill | Original/Duplicate/Triplicate

NO | CONTRACT CERTIFICATE | Reference paras 158 & 170

Division Yelahanka | Sub division Yelahanka New Town | Date

Bills received No | Date | Sub-divisional | Cash book vr No

Sheduled Docket No | Divisional | Date

Name of work(as per sanctioned estimate) :- | Head of account 3/81

Work Code:003-17-000056 | **NAME OF WORK :Construction of meeting hall at Nisarga Ground in ward no 03**

Name of contractor and full address :- | **Technical Manager (west)**

Reference to agreement No :- 98 | **Estimated cost : 50.00** | **Work O.No :98, dt:28/08/2017**

Certified that the measurments were taken by me on 25.11.2017 and recorded on pages 114402 to 114438 of measurment book No 1145 and the work is satisfactorily executed by the contractor.

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Signature of contractor

Asst. Engineer

Certified that the measurments were taken by me on 25.11.2017 and recorded correct.The work is satisfactorily executed.
Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within
2) Deduct amount to be held in reserve being-----percent Rs----------%--------
3) Balance---
4) **Deduct payments**
   a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of
   b) Cost of payments/stores or other materials supplied now made recovery of
   Amount paid on this bill by cheque/cash

Total

5) Balance being unpaid value of work done held in reserve
6) Deduct cash of advance made on divisional/sub divisional cash book
7) Net amount due to or from contractor.

UN ADJUSTED ITEMS

8) Advance to contractor for materials to site(as detailed within)
9) Value of government materials supplied.

TOTAL AMOUNT UN-ADJUSTED

Gross Amt =Rs	4953115=00
FSD =Rs	211650=00
CGST = Rs	49531=00
SGST = Rs	49531=00
IT = Rs	99062=00
LC = Rs	49531=00
CST = Rs	4953=00
Royalty =Rs	39927=00
L D = Rs	540191=00
Net Amt=Rs	4412924=00

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)
2)

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Dated Signature of contractor
paid by me cheque No dated

Cash Rs.....

Date | Initials of officer making payment

Reciept Stamp

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

4412924=00 by Cheque
and Rs. 540191=00 by adjusement

Date

Executive Engineer

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
1	2	3	6	7	8	9	10
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)	Cum	134.85 135.00	169.56	22865 22890.60	134.85 135.00	22865 22890.60
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.4)	Cum	177.00	305.64	54098.28	177.00	54098.28

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
3	KSRB 2.10: Providing sand cement bed with 5% cement with all leads for all materials and lift of 1.5m machine mixed laid in layers of 15 cms thick and well compacted for foundation , including curing cost of materials labour and HOM complete as per specifications, specification N: KBS (P.6/I.2PW& IWTD SR 2016-17	Cum	94.62	3349.08	316889.95	94.62	316889.95
4	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2016-17)	Cum	89.53	5256.36	470601.91	89.53	470601.91
5	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Cum	52.93	4521.96	239347.34	52.93	239347.34

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
6	KSRB 5.3.3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistl dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13Page no.22/ I.5.9,PWD SR 2016-17)	Cum	21.02 21.51	5405.40	113621 116270.15	21.02 21.51	113621 116270.15
7	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.97/I.15.3 PW, P & IWTD SR 2016-17)	Sqm	48.02	105.84	5082.44	48.02	5082.44
8	KSRB M2200-5.11.Design mix M20 with OPC cement @320 kgs,with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999 Reaffirmed-2008.etc as per specification&direction of the engineer incharge of work (pwd sr2016-2017,p.no216,sno28.7.9)	cum	54.11	7096.68	384001.35	54.11	384001.35

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
9	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (P.6/I.2.10 PW, P & IWTD 2016-2017)	cum	177.00	137.16	24277.32	177.00	24277.32
10	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.14/I.4.28 PW, P & IWTD --SR 2016-2017)	Sqm	44.04	249.48	10987.10	44.04	10987.10
11	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.15/I.4.32 PW, P & IWTD --SR 2016-2017)	Sqm	137.76	395.28	54453.77	137.76	54453.77

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
12	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.15/I.4.34 PW, P & IWTD --SR 2016-2017)	Sqm	126.58	276.48	34996.84	126.58	34996.84
13	KSRB 4-6.2: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.14/I.4.29 PW, P & IWTD-SR 2016-2017)	Sqm	54.90	338.04	18558.40	54.90	18558.40
14	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.15/I.4.37 PW, P & IWTD --SR 2016-2017)	Sqm	8.11 24.48	291.60	2364. 7138.37	8.11 24.48	2364 7138.37

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
15	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS	cum	44.23	6491.88	287135.85	44.23	287135.85

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
16	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2016-2017)	toons	4.04	61237.08	247397.80	4.04	247397.80
17	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 with 12mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/I.4.19 PW, P & IWTD -- SR 2016-2017)	Sqm	6.62 24.48	492.48	3260 12055.91	6.62 24.48	3260 12055.91

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
18	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P.24/I.5.27 PW, P & IWTD -SR 2016-17)	Sqm	272.69	1011.96	275951.37	272.69	275951.37
19	Supplying and fixing pressed steel door frames size 125 x 65 mm manufactured from 1.25 mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm thick with lock rail of 160 mm width, top and side of 100 mm width and bottom rails of 250 mm width and panel filling with 12 mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, war page and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery,	Sqm	6.48	3780.00	24494.40	6.48	24494.40

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
20	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4 Nos. of hold fasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free	Sqm	4.86 5.40	3812.40	18528.00 20586.96	4.86 5.40	18528 20586.96

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
21	Fabricating supplying and erecting M.S. angular Truss of span upto 10m bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded togeher with 6mm gusset plate as per drawing, Nos CBS/SD/K-mantap/9/MND/97. The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials,	Kgs	3432.00	126.36	433667.52	3432.00	433667.52
22	KSRB 8.3-2 Providing and laying to required line and slope roofing with semi-corrugated (Trafford) asbestos cement sheet 6mm. thick fixed with galvanised iron J or L hooks, blots and nits 8mm dia C.I. plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications Page No. 51/ Item No. 8.6/ PWD SR 2016-2017)	Sqm	108.00	426.60	46072.80	108.00	46072.80

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
23	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete. -do- using gray granite Page No. 115/ Item No. 14.47.1 / PWD SR 2016-2017)	Sqm	310.20	2828.52	877406.90	310.20	877406.90
24	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/ I.15.21 PW, P & IWTD - SR 2016-2017)	Sqm	43.38	208.44	9042.13	43.38	9042.13
25	KSRB 15-3.7 : Providing 18mm thick cement plastering single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.97-98/I.15.15 PW, P & IWTD –SR 2016-2017)	Sqm	311.40	263.52	82060.13	311.40	82060.13

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
26	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P.99 /I.15.33 PW, P & IWTD - SR 2016-17)	Sqm	354.78	27.00	9579.06	354.78	9579.06
27	KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/I.15.18 PW, P & IWTD -- SR 2016-2017)	Sqm	314.58	279.72	87994.32	314.58	87994.32
28	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer (P.101/I.15.51.2 PW, P & IWTD -SR 2016-2017)	Sqm	354.78	63.60	22564.01	354.78	22564.01

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
29	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer (P.102 / I.15.53.2 PW, P & IWTD –SR 2016-2017)	Sqm	314.53 314.58	90.72	28534 28538.70	314.53 314.58	28534 28538.70
30	KSRB 8.6-5 : Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. (P.42/I.8.16 PW, P & IWTD - SR 2016-2017)	Mtr	32.80	429.84	14098.75	32.80	14098.75
31	KSRB 14.14-2: Providing colour glazed tiles all sizes 10mm thick for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.15.2 (P.93/I.14.33 PW, P & IWTD -SR -SR 2016-2017)	Sqm	19.46 19.89	1208.52	21100 24037.46	17.46 19.89	21100.00 24037.46

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
32	KSRB 13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.2 / 13.3 (P.80/I.13.23 PW, P & IWTD -SR 2016-2017)	each	4	249.48	997.92	4.00	997.92
33	KSRB 11-1: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.67/I.12.1 PW, P & IWTD -SR 2016-2017)	each	2	3730.32	7460.64	2.00	7460.64

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
34	KSRB 13-11.1: Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity). Specification No. KBS 13.22 (P.83/I.13.78 PW, P & IWTD - SR 2016-2017)	Nos	2	9144.36	18288.72	2.00	18288.72
35	.KSRB 13-1.3: Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 25mm dia nominal bore with fittings (medium grade weight 2.51kg/ mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. KBS 13.2.14 / 13.8 (P.79/I.13.3 PW, P & IWTD-SR 2016-2017)	mtr	35.00	329.40	11529.00	35.00	11529.00
36	KSRB 13-1.6: Providing and fixing to wall, celling and floor galvanized / mild steel tube 50 mm dia nominal bore with fittings (medium grade weight 5.24 kg/mtr) B class incldiung cost of all materials, labour charges HOM f equipments and testing complete as per specifications and diretcions incharrge of engineer work) (P.90/I.13.6 PW, P & IWTD-SR 2016-2017)	mtr	10.00	550.80	5508.00	10.00	5508.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
37	KSRB 7.1: Providing and fixing inposition collapsablesteelshutterswithsingleordoubleleafwithverticalchannel20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stopers, handles on borht sides with 7.5cms opeinings at 10cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications. (P.31/I.7.1 PW, P & IWTD-SR 2016-2017)	Sqm	31.05 32.40	4355.64	135242 141122.74	31.05 32.40	135242 141122.74
38	Providing and fixing MS grill over exisiting compound wall as per using b16mmx16mm MS square rod at 150mm c/c spacing and 6mmx40mm MS flats at horizontal and 6mmx12mm MS flat for ornamtntal design and providing shp edge design at the verify of every vertical roads, incldung welding grinding hereve necessray All the steel surface should be throughly cleaned free of rust and paited with and ect.. as pers pecification(P.42/I.7.36 PW, P & IWTD-SR 2016-2017)	Sqm	20.40	5641.92	115095.17	20.40	115095.17

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
39	Providing Supplying and commissioning of 1 HP submersible Monoblock pump with starter 15mm cable with necessary GI fittings with suction & Delivery hose pipes including necessary fittings etc completed as per specifications.	Nos	1	10000.00	10000.00	1.00	10000.00
40	Supplying and wiring adoptiong loop system in existing PVC conduit /casing caping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose legnth in a wood/PVC round block, complete for each outlet. (P.4/I.8.I.C) Electrical-SR 2012-13) b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch	No.	8	175.00	1400.00	8.00	1400.00
	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch		4	368.00	1472.00	4.00	1472.00
41	Supplying 6A flush /projected type socket and a 6 amps flush/projected type SP switch either surface mounting in a gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. (P.6/I.12a) Electrical -SR 2012-13)	No	12	91.00	1092.00	12.00	1092.00

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
42	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. (P.4/I.6) Electrical -SR 2012-13) a) 4"x4"x3"	Each	2	44.00	88.00	2.00	88.00
	b) 12"x12"x3"		2	98.00	196.00	2.00	196.00
	c) 10"x7"x3"		2	68.00	136.00	2.00	136.00
43	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulated etc.., and fixing on existing wooden or metal box using N.F. screws.., (P.10/I.22) Electrical SR - -SR 2012-13)	Sq. cmt	3000	0.22	660.00	3000.00	660.00
44	Extra for groove cutting, plastering and colour washing for embedding PVC conduit/GI pipe and plastering finishing the wall upto wall surface complete upto 50mm conduit in brick in wall (P.3/I.7a) Electrical-SR 2012-13)	Rmtr	100	14.00	1400.00	100.00	1400.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
45	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit..... The pit should be filled with equal proportion of salt and charcoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per IS1 specification 7.3.3 of IS 732 using 12 mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia. (P.68/I.2) Electrical -SR 2012-13)	Each	1	3000.00	3000.00	1.00	3000.00
46	Supplying and fixing of porcelain fuse chanel with cut out on existing wooden/panel using ncessary nuts, bolts and washers etc complete (P.32/I.3a) Electrical -SR 2012-13)	Each	4	54.00	216.00	4.00	216.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
47	Supplying 20mm dia 2mm thick heavy guage PVC conduit pipe with suitable size bends, metal junction boxes, adhesive paste etc and running before concreting the slabs. The conduit should be tied to the reinforcement roads by using binding wire and unused ways of junction boxes and pipe ends should be covered using PVC and enclosures and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (P.2/I.2a) Electrical -SR 2012-13)	Rmtr	100.00	32.00	3200.00	100.00	3200.00
48	Supplying and fixing PBBC brass/Bakelite straight or slant batten holder and wiring, within 60W/230 Volts lamps. (P.13/I.12a) Electrical -SR 2012-13)	No.	2	60.00	120.00	2.00	120.00
49	Supply patty type fluorescent tube light fitting of 4 feet 40 watts fluorescent tube of 230 volts made of M.S. sheet and stove enameled with heavy duty polyfill aluminum choke, starter, locking type brass contact holders mounted on foldable type sheet base fully wired.for use on 230 volts AC supply including 1 Nos 4'-36/40 watts fluorecent tube A Group (P.16/I.2a) Electrical -SR 2012-13)	No	10	400.00	4000.00	10.00	4000.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
50	Wiring for lighting / power circute using one of PVC insulated 1100v/grade multies and copper conductor single core cable in open or consealed system of wiring A Group materials 1.50 Sqmm materials (P.9/I.20Ib) Electrical -SR 2012-13)	Rmtr	120.00	15.00	1800.00	120.00	1800.00
51	Supplying and running of GI / Copper conductor for grounding & (along with other wires of CTS or conduit system of wiring) using if necessary suitable size clamps bolts nuts and washers etc. (P.68/I.3Ic) Electrical -SR 2012-13)	Rmtr	6.00	221.00	1326.00	6.00	1326.00
52	Supplying and fixing miniature circuit breakers/Isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required (P.36/I.12Ba) Electrical -SR 2012-13)	No.	1	370.00	370.00	1.00	370.00
53	Supplying capacitor type ceiling fan complete with down rod blades, shakle, regulator canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved (Almanord, Unique ISI, Anchor, Crompton, Khaitan, Bajaj, Usha, Johnson make) (P.23/I.23IIa) Electrical -SR 2012-13)	Nos	8	1900.00	15200.00	8.00	15200.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
54	Fixing a ceiling fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (P.29/I.8) Electrical -SR 2012-13)	Nos	8	105.00	840.00	8.00	840.00
55	Supplying and fixing 32mm dia class A GI pipe bracket upto 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluoroscent tube street light fitting of all capacities to GI or CI or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. (P.28/I.12b) Electrical-SR 2012-13)	Nos	8.00	685.00	5480.00	8.00	5480.00
56	Digging of trench of 0.6m deep x 0.50mtr wide refiling the trench to the required ground level and consolidating etc., complete. In Hard Soil (P.70/I.6b) Electrical -SR 2012-13)	Rmtr	35.00	50.00	1750.00	35.00	1750.00
			TOTAL		~~4576070.00~~ 4574143		~~4576070.00~~
			KRIDL Charges 9%		~~411846.30~~ 408972		~~411846.30~~
			BESCOM		~~12000.00~~ —		~~12000.00~~
			Grand TOTAL		~~4999916.30~~ 4953115		~~4999916.30~~

Ward no 03
Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP Bangalore